

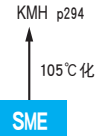
SME 系列

●保证 85℃ 2,000 小时。

标准品

纹波
负荷

RoHS指令
适应品



◆规格表

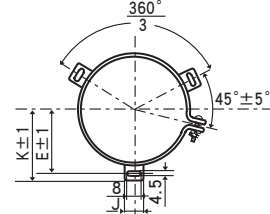
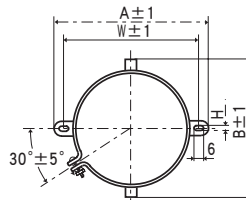
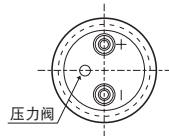
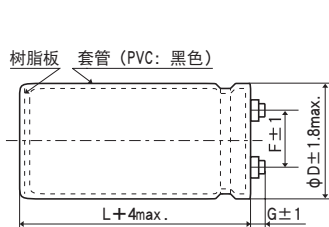
项 目	性 能						
工作温度范围	-40~+85℃ (10~100V _{dc})						
额定电压范围	10~100V _{dc}						
静电容量容许差	±20% (M) (20℃、120Hz)						
漏电流	I ≤ 0.02CV 或者 5mA 中任意一个较小值 I: 漏电流 (μA)、C: 静电容量 (μF)、额定电压 (V _{dc}) (20℃、5分值)						
损失角正切值 (tan δ)	≤ 标准品一览表的值 (20℃、120Hz)						
温度特性	静电容量变化率 C(-25℃) / C(+20℃) ≥ 0.7 (120Hz)						
绝缘电阻	全部端子和容器套上的绝缘套且安装的固定带之间用DC500V的绝缘电阻测定仪测出的值 ≥ 100MΩ						
绝缘耐压	全部端子和容器套上的绝缘套且安装的固定带之间施加AC2,000V的电压1分钟未出现异常。						
耐久性	在85℃环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载额定电压2,000小时后, 待温度恢复到20℃进行测量时, 应满足以下要求。 <table border="1"> <tr> <td>静电容量变化率</td><td>≤ 初始值的 ±20%</td></tr> <tr> <td>损失角正切值</td><td>≤ 初始规格值的 200%</td></tr> <tr> <td>漏电流</td><td>≤ 初始规格值</td></tr> </table>	静电容量变化率	≤ 初始值的 ±20%	损失角正切值	≤ 初始规格值的 200%	漏电流	≤ 初始规格值
静电容量变化率	≤ 初始值的 ±20%						
损失角正切值	≤ 初始规格值的 200%						
漏电流	≤ 初始规格值						
高温无负荷特性	在85℃环境中, 无负荷放置500小时后待温度恢复到20℃, 进行试验前处理 (JIS C 5101-4 4.1项) 后进行测量时, 应满足以下要求。 <table border="1"> <tr> <td>静电容量变化率</td><td>≤ 初始值的 ±20%</td></tr> <tr> <td>损失角正切值</td><td>≤ 初始规格值的 150%</td></tr> <tr> <td>漏电流</td><td>≤ 初始规格值</td></tr> </table>	静电容量变化率	≤ 初始值的 ±20%	损失角正切值	≤ 初始规格值的 150%	漏电流	≤ 初始规格值
静电容量变化率	≤ 初始值的 ±20%						
损失角正切值	≤ 初始规格值的 150%						
漏电流	≤ 初始规格值						

◆尺寸图 (CE331 形) [mm]

●端子代码: LG

●绑带代码: B (Φ35 为标准规格)

●绑带代码: C (Φ50 以上为标准规格)



Φ35 ~ Φ63.5: G=6

Φ76.2、Φ89: G=5

公称直径	A	B	W	H	F
35	58.0	44.0	48.0	3.5	12.7
50	78.0	64.0	68.0	4.5	22.4
63.5	90.0	76.0	80.0	4.5	28.0
76.2	104.5	90.0	93.5	4.5	31.5

公称直径	E	K	J	F
50	32.5	37.0	14.0	22.4
63.5	38.1	43.5	14.0	28.0
76.2	44.5	50.0	14.0	31.5
89	50.8	56.5	16.0	31.5

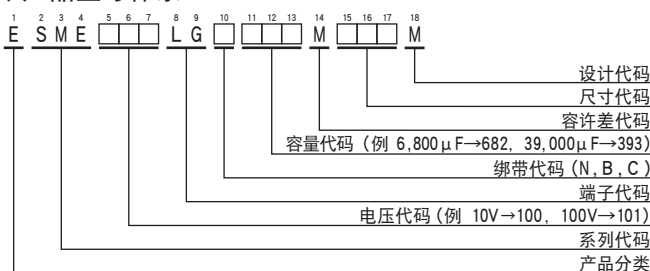
< 端子螺丝规格 >

十字六角长螺丝 M5×0.8×10

螺丝拧紧最大容许转矩 3.23N·m

(注1) 端子螺丝及安装绑带分批交货为标准规格。

◆产品型号体系



产品型号代码的详细介绍请参考「产品型号的表示方法 (螺丝端子型)」。

SME 系列

◆标准品一览表

WV (Vdc)	Cap (μF)	尺寸 φD×L(mm)	tan δ	额定纹波 电流 (Arms/ 85℃, 120Hz)	产品型号
10	39,000	35×50	0.60	4.70	ESME100LGB393MA50M
	82,000	35×80	0.60	7.40	ESME100LGB823MA80M
	100,000	35×100	0.70	8.00	ESME100LGB104MAA0M
	120,000	35×120	0.70	9.40	ESME100LGB124MAC0M
	150,000	50×80	0.90	9.80	ESME100LGC154MC80M
	220,000	50×100	1.00	12.1	ESME100LGC224MCA0M
	270,000	50×120	1.20	13.6	ESME100LGC274MCC0M
	390,000	63.5×100	1.50	15.3	ESME100LGC394MDA0M
	470,000	63.5×120	2.00	16.0	ESME100LGC474MDC0M
	560,000	76.2×100	2.50	17.3	ESME100LGC564MEA0M
16	680,000	76.2×120	3.00	18.7	ESME100LGC684MEC0M
	27,000	35×50	0.45	4.20	ESME160LGB273MA50M
	56,000	35×80	0.60	6.50	ESME160LGB563MA80M
	82,000	35×100	0.70	8.00	ESME160LGB823MAA0M
	100,000	35×120	0.70	9.60	ESME160LGB104MAC0M
	120,000	50×80	0.80	9.60	ESME160LGC124MC80M
	150,000	50×100	0.90	11.2	ESME160LGC154MCA0M
	220,000	50×120	1.00	14.2	ESME160LGC224MCC0M
	270,000	63.5×100	1.20	15.3	ESME160LGC274MDA0M
	330,000	63.5×120	1.30	17.1	ESME160LGC334MDC0M
25	390,000	76.2×100	1.60	18.0	ESME160LGC394MEA0M
	470,000	76.2×120	1.80	19.3	ESME160LGC474MEC0M
	560,000	76.2×140	2.00	20.7	ESME160LGC564MEE0M
	18,000	35×50	0.35	4.00	ESME250LGB183MA50M
	39,000	35×80	0.40	6.20	ESME250LGB393MA80M
	47,000	35×100	0.40	7.40	ESME250LGB473MAA0M
	56,000	35×120	0.45	8.30	ESME250LGB563MAC0M
	82,000	50×80	0.50	9.70	ESME250LGC823MC80M
	100,000	50×100	0.60	10.8	ESME250LGC104MCA0M
	120,000	50×120	0.60	12.8	ESME250LGC124MCC0M
35	180,000	63.5×100	0.75	14.7	ESME250LGC184MDA0M
	220,000	63.5×120	0.80	16.8	ESME250LGC224MDC0M
	270,000	76.2×100	0.90	18.3	ESME250LGC274MEA0M
	330,000	76.2×120	1.00	20.7	ESME250LGC334MEC0M
	390,000	76.2×140	1.20	22.1	ESME250LGC394MEE0M
	560,000	89×140	1.50	25.8	ESME250LGC564MFE0M
	15,000	35×50	0.30	3.90	ESME350LGB153MA50M
	33,000	35×80	0.40	6.00	ESME350LGB333MA80M
	39,000	35×100	0.40	7.00	ESME350LGB393MAA0M
	47,000	35×120	0.45	8.00	ESME350LGB473MAC0M
50	68,000	50×80	0.50	9.00	ESME350LGC683MC80M
	82,000	50×100	0.55	10.3	ESME350LGC823MCA0M
	120,000	50×120	0.60	12.8	ESME350LGC124MCC0M
	150,000	63.5×100	0.70	14.0	ESME350LGC154MDA0M
	180,000	63.5×120	0.70	16.6	ESME350LGC184MDC0M
	220,000	76.2×100	0.75	17.3	ESME350LGC224MEA0M
	270,000	76.2×120	0.80	19.8	ESME350LGC274MEC0M
	330,000	76.2×140	0.90	22.5	ESME350LGC334MEE0M
	470,000	89×140	1.00	28.3	ESME350LGC474MFE0M
	10,000	35×50	0.25	4.10	ESME500LGB103MA50M
63	18,000	35×80	0.25	5.20	ESME500LGB183MA80M
	22,000	35×100	0.30	5.90	ESME500LGB223MAA0M
	27,000	35×120	0.35	6.60	ESME500LGB273MAC0M
	39,000	50×80	0.40	7.40	ESME500LGC393MC80M
	56,000	50×100	0.40	9.80	ESME500LGC563MCA0M
	68,000	50×120	0.45	11.1	ESME500LGC683MCC0M
	82,000	63.5×100	0.50	12.2	ESME500LGC823MDA0M
	120,000	63.5×120	0.50	16.0	ESME500LGC124MDC0M
	150,000	76.2×120	0.60	18.1	ESME500LGC154MEC0M
	180,000	76.2×140	0.70	19.5	ESME500LGC184MEE0M
80	270,000	89×140	0.80	24.6	ESME500LGC274MFE0M
	5,600	35×50	0.20	3.00	ESME630LGB562MA50M
	10,000	35×80	0.25	4.00	ESME630LGB103MA80M
	15,000	35×100	0.25	5.30	ESME630LGB153MAA0M
	18,000	35×120	0.25	6.20	ESME630LGB183MAC0M
	22,000	50×80	0.30	6.50	ESME630LGC223MC80M
	33,000	50×100	0.35	8.10	ESME630LGC333MCA0M
	39,000	50×120	0.35	9.60	ESME630LGC393MCC0M
	47,000	63.5×100	0.40	10.2	ESME630LGC473MDA0M
	68,000	63.5×120	0.40	13.3	ESME630LGC683MDC0M
100	100,000	76.2×120	0.45	17.1	ESME630LGC104MEC0M
	120,000	76.2×140	0.50	19.0	ESME630LGC124MEE0M
	150,000	89×140	0.55	22.0	ESME630LGC154MFE0M
	3,300	35×50	0.15	2.50	ESME800LGB332MA50M
	6,800	35×80	0.20	3.70	ESME800LGB682MA80M
	10,000	35×100	0.20	4.90	ESME800LGB103MAA0M
	12,000	35×120	0.20	5.40	ESME800LGB123MAC0M
	15,000	50×80	0.25	6.00	ESME800LGC153MC80M
	22,000	50×100	0.30	7.10	ESME800LGC223MCA0M
	27,000	50×120	0.30	8.60	ESME800LGC273MCC0M
16	33,000	63.5×100	0.35	9.30	ESME800LGC333MDA0M
	47,000	63.5×120	0.35	12.0	ESME800LGC473MDC0M
	68,000	76.2×120	0.35	15.4	ESME800LGC683MEC0M
	82,000	76.2×140	0.35	18.1	ESME800LGC823MEE0M
	100,000	89×140	0.40	21.0	ESME800LGC104MFE0M
	2,200	35×50	0.10	2.50	ESME101LGB222MA50M
	4,700	35×80	0.15	3.40	ESME101LGB472MA80M
	6,800	35×100	0.15	4.20	ESME101LGB682MAA0M
	8,200	35×120	0.15	5.00	ESME101LGB822MAC0M
	10,000	50×80	0.20	5.20	ESME101LGC103MC80M
25	18,000	50×120	0.20	8.10	ESME101LGC183MCC0M
	22,000	63.5×100	0.25	8.60	ESME101LGC223MDA0M
	27,000	63.5×120	0.25	10.3	ESME101LGC273MDC0M
	33,000	76.2×100	0.25	11.1	ESME101LGC333MEA0M
	39,000	76.2×120	0.25	12.4	ESME101LGC393MEC0M
	47,000	76.2×140	0.25	14.3	ESME101LGC473MEE0M
	68,000	89×140	0.30	18.0	ESME101LGC683MFE0M
	10,000	35×50	0.10	2.50	ESME101LGB222MA50M
	4,700	35×80	0.15	3.40	ESME101LGB472MA80M
	6,800	35×100	0.15	4.20	ESME101LGB682MAA0M
	8,200	35×120	0.15	5.00	ESME101LGB822MAC0M
	10,000	50×80	0.20	5.20	ESME101LGC103MC80M
	18,000	50×120	0.20	8.10	ESME101LGC183MCC0M
	22,000	63.5×100	0.25	8.60	ESME101LGC223MDA0M
	27,000	63.5×120	0.25	10.3	ESME101LGC273MDC0M
	33,000	76.2×100	0.25	11.1	ESME101LGC333MEA0M
	39,000	76.2×120	0.25	12.4	ESME101LGC393MEC0M
	47,000	76.2×140	0.25	14.3	ESME101LGC473MEE0M
	68,000	89×140	0.30	18.0	ESME101LGC683MFE0M

◆额定纹波电流频率修正系数

纹波频率与标准品一览表的规定值相异时，请使用小于乘以下表系数所得之值的值。

额定电压 (Vdc)	φD (mm)	频率 (Hz)					
		50	120	300	1k	10k	50k
10~50	φ35~φ89	0.95	1.00	1.03	1.05	1.09	1.12
63~80	φ50~φ89						
100	φ63.5~φ89						
63~80	φ35	0.90	1.00	1.06	1.10	1.18	1.22
100	φ50						
100	φ35						
100	φ35	0.82	1.00	1.12	1.22	1.30	1.33

※ 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化，每升温 5℃ 寿命减少一半。

要想要保持长寿命请在使用过程中降低纹波电流。